

Title (en)
DEVICE FOR ASYMMETRICAL REFRACTIVE OPTICAL CORRECTION IN THE PERIPHERAL RETINA FOR CONTROLLING THE PROGRESSION OF MYOPIA

Title (de)
VORRICHTUNG ZUR ASYMMETRISCHEN REFRAKTIVEN KORREKTUR DER PERIPHEREN NETZHAUT ZUR PROGRESSIONSKONTROLLE VON KURZSICHTIGKEIT

Title (fr)
DISPOSITIF DE CORRECTION OPTIQUE DE RÉFRACTION DANS LA RÉTINE PÉRIPHÉRIQUE DE MANIÈRE ASYMÉTRIQUE POUR LE CONTRÔLE DE LA PROGRESSION DE LA MYOPIE

Publication
EP 2415425 A4 20140115 (EN)

Application
EP 10750407 A 20100312

Priority
• ES 2010070148 W 20100312
• ES 200900692 A 20090312

Abstract (en)
[origin: EP2415425A1] Optical device (1) for modifying the optics of the eye in its peripheral retina as prophylaxis of the progression of myopia, that it consists in a lens in which its inferior nasal quadrant (2) modifies the strength in a progressive and controlled manner from the center to the outer zone of the lens. The rest of the quadrants (3) of device (1) have a configuration of a graduated crystal or flat crystal, depending, respectively, on whether the user has some visual defect that requires optical correction or lacks said defect. The lens can be either an optical lens, a contact lens or electro - optical systems.

IPC 8 full level
A61F 9/00 (2006.01); **G02C 7/02** (2006.01); **G02C 7/04** (2006.01); **G02C 7/08** (2006.01)

CPC (source: EP ES US)
A61F 2/1613 (2013.01 - ES); **G02C 7/02** (2013.01 - EP US); **G02C 7/04** (2013.01 - EP US); **G02C 7/041** (2013.01 - EP ES US); **G02C 7/083** (2013.01 - EP US); **G02C 2202/24** (2013.01 - EP US)

Citation (search report)
No further relevant documents disclosed

Citation (examination)
• WO 2009005822 A1 20090108 - PIXELOPTICS INC [US], et al
• US 2008273169 A1 20081106 - BLUM RONALD D [US], et al
• US 6619799 B1 20030916 - BLUM RONALD D [US], et al
• See also references of WO 2010103160A1

Cited by
CN110785149A; EP3614981A4; US8998408B2; US10534198B2; US11333903B2; US11567347B2; US9759930B2; US10520754B2; US11320672B2; US10203522B2; US10209535B2; US10466507B2; US10838235B2; US10948743B2; US11644688B2; US11809024B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)
EP 2415425 A1 20120208; **EP 2415425 A4 20140115**; ES 2345027 A1 20100913; ES 2345027 B1 20110930; US 2012140165 A1 20120607; US 8662664 B2 20140304; WO 2010103160 A1 20100916

DOCDB simple family (application)
EP 10750407 A 20100312; ES 200900692 A 20090312; ES 2010070148 W 20100312; US 201013256013 A 20100312